

Applicants : Chad D. Quist, Francis O'Brien and Niall R. Lynam  
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In the Claims:

Please cancel Claims 4-6, 10-14, 18, 19, 22, 32, 34, 36-40, 43, 61-66, 80, 86, and 87. Please amend Claims 1, 7, 15-17, 20, 21, 23-31, 41, 42, 44, 46-48, 50, 52-54, 56, 68, 71, 73-75, 77-79, 81, 82, and 85 as follows:

1. (currently amended) An interactive vehicular mirror system comprising:

an interior rearview mirror assembly having a mirror casing and a reflective element, said mirror casing including a bezel portion, said mirror assembly being adapted to mount at an interior portion of the vehicle, and said reflective element having a rearward field of view when said interior mirror assembly is mounted in a vehicle;

a ~~plurality of~~ first user actuatable selector element~~[[s]]~~, said first user actuatable selector element~~[[s]]~~ comprising ~~at least a first touch sensitive element and a second touch sensitive element~~;

said first user actuatable selector element being provided at said bezel portion at a first bezel location;

said first touch sensitive element of said first user actuatable selector element ~~and said second touch sensitive element~~ being each ~~individually~~ responsive to a change in at least one of heat, electrical capacitance, electrical inductance or electrical resistance due to at least close approachment of a human finger;

a first display element ~~at~~ and a second display element disposed to the rear of said reflective element of said interior rearview mirror assembly at a first display location and viewable to an occupant of the vehicle through said reflective element;

said first display element ~~and said second display element respectively~~ generating a first display ~~and a second display~~;

said first display of said first display element being generated in response to said first touch sensitive element of said first user actuatable selector element being actuated by a user ~~and said second display being generated in response to said second touch sensitive element being actuated by a user; and~~

said first display location of said first display element and said first touch sensitive element said first bezel location of said first user actuatable selector element being

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~~at least one of local one another adjacent and co-located such that a cognitive relationship between said first display element and said first user actuatable selector element is established by actuation of said first touch sensitive element of said first user actuatable selector element at said first bezel location by a user and said resultant generation of said first display of said first display element at said first display location[[:]]~~

~~said second display element and said second touch sensitive element being at least one of adjacent and co-located such that a cognitive relationship is established by actuation of said second touch sensitive element by a user and said generation of said second display; and~~

~~wherein said first touch sensitive element and said second touch sensitive element are provided at one of (a) a bezel portion of said mirror casing and (b) at said reflective element.~~

2. (original) The interactive vehicular mirror system according to Claim 1, wherein said reflective element comprises a prismatic reflective element.

3. (original) The interactive vehicular mirror system according to Claim 1, wherein said reflective element comprises an electrochromic reflective element.

4-6. (cancelled)

7. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein ~~at least one of said first display element and said second display element~~ comprises a re-configurable display element and whereby said re-configurable display element may be associated with more than one function.

8-14. (canceled)

15. (currently amended) The interactive vehicular mirror system according to Claim [[4]] 1, further comprising a second user actuatable selector element at said bezel portion at a second bezel location and a second another display element at said interior rearview mirror assembly at a second display location, said second user actuatable selector element comprising a

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second touch sensitive element, said second touch sensitive element being responsive to a change in at least one of heat, electrical capacitance, electrical inductance or electrical resistance due to at least close approachment of a human finger in association with at least one of said selector elements, said second another display element generating a second display, said second display being generated in response to proximate said at least one of said second touch sensitive element[[s]] being actuated by a user.

16. (currently amended) The interactive vehicular mirror system according to Claim 15, wherein ~~a display of said another second display element displays comprises~~ an icon when actuated.

17. (currently amended) The interactive vehicular mirror system according to Claim [[15]] 1, wherein said ~~another first~~ display element comprises one chosen from a liquid crystal display, an organic light emitting diode display, an inorganic light emitting diode display, a plasma display, a fluorescent display, and an electroluminescent display.

18-19. (cancelled)

20. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein said reflective element includes a semitransparent reflector, and ~~at least one of wherein~~ said first display element[[s]] is positioned behind said semitransparent reflector.

21. (currently amended) The interactive vehicular mirror system according to Claim 20, wherein said semitransparent reflector comprises one of a metal coating and a transparent conductor.

22. (cancelled)

23. (currently amended) The interactive vehicular mirror system according to Claim [[22]] 1, wherein ~~each of~~ said first display element[[s]] comprises a light emitting display.

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24. (currently amended) The interactive vehicular mirror system according to Claim 23, wherein ~~each of~~ said light emitting display[[s]] comprises one chosen from a liquid crystal display, an electrochromic display, an organic light emitting diode display, an inorganic light emitting diode display, a plasma display, a fluorescent display, and an electroluminescent display.

25. (currently amended) The interactive vehicular mirror system according to Claim 23, wherein said first display element[[s are]] is disposed behind said reflective element.

26. (currently amended) The interactive vehicular mirror system according to Claim 23, wherein said reflective element includes a reflector, a portion[[s]] of said reflector being at least partially removed to form a window[[s]], said first display element[[s]] being disposed behind said window[[s]] and viewable through said window[[s]] when said first display element[[s are]] ~~actuated~~ displays said first display.

27. (currently amended) The interactive vehicular mirror system according to Claim 23, wherein said reflective element comprises a semitransparent reflective element, said first display[[s]] being viewable through said semitransparent reflective element when said first display element[[s are]] ~~actuated~~ displays said first display.

28. (currently amended) An interactive vehicular mirror system comprising:  
an interior rearview mirror assembly having a mirror casing and a reflective element, said mirror casing having a bezel portion, said mirror assembly being adapted to mount at an interior portion of the vehicle, and said reflective element having a rearward field of view when said interior mirror assembly is mounted in a vehicle;

a plurality of first display element[[s]] at said reflective element at a first display location, ~~said plurality of display elements comprising a first display element and a second display element;~~

a first user actuatable selector element comprising a respective plurality of first touch sensitive elements at said reflective element associated with said plurality of display elements, ~~said plurality of touch sensitive elements comprising a first user actuatable~~

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selector touch sensitive element being provided at said bezel portion of said mirror casing at a first bezel location and a second touch sensitive element;

said first touch sensitive element of said first user actuatable selector element and said second touch sensitive element being each individually responsive to a change in at least one of heat, electrical capacitance, electrical inductance or electrical resistance due to at least close approachment of a human finger;

said first and second display elements provided at said interior mirror assembly;

a first display being generated by said first display element, said first display of said first display element being generated in response to said first touch sensitive element of said first user actuatable selector element being actuated by a user; and

said first display location touch sensitive element being at least one of co-located and adjacent said first display element and said first bezel location of said first user actuatable selector element being, and said second touch sensitive element being at least one of local one another and co-located and adjacent said second display element such that a cognitive relationship between said first display element and said first user actuatable selector element is established between by actuation of said first touch sensitive element of said first user actuatable selector element at said first bezel location and resultant the generation of said first display of said first display element at said first display location

a first display being generated by said first display element associated with said first touch sensitive element at least when said first touch sensitive element is actuated, and a second display being generated by said second display element associated with said second touch sensitive element at least when said second touch sensitive element is actuated wherein at least one of said display elements comprises a re-configurable display element whereby said re-configurable display element may be associated with more than one function.

29. (currently amended) The interactive vehicular mirror system according to Claim 28, further comprising a second touch sensitive element and a second display element at a second display location, said second touch sensitive element being provided at said bezel portion of said mirror casing at a second bezel location, said second touch sensitive element being responsive to a change in at least one of heat, electrical capacitance, electrical

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~~inductance or electrical resistance due to at least close approachment of a human finger, said second display element generating a second display in response to provided at said interactive vehicular mirror system, at least one of said second touch sensitive elements activating said another display element and actuating said another display element to display at least one display associated with said function of said at least one touch sensitive element when said at least one touch sensitive element is being actuated by a user.~~

30. (currently amended) The interactive vehicular mirror system according to Claim 29, wherein said ~~another~~ second display element is positioned at said reflective element.

31. (currently amended) The interactive vehicular mirror system according to Claim 30, wherein said ~~another~~ second display element is positioned behind said reflective element and is viewable through said reflective element when said ~~another~~ second display element displays said second display is actuated.

32-40. (cancelled)

41. (currently amended) The interactive vehicular mirror system according to Claim 28, wherein said first display element is proximate said first touch sensitive element, ~~and said second display element is proximate said second touch sensitive element.~~

42. (currently amended) The interactive vehicular mirror system according to Claim [[41]] 29, wherein each of said first and second ~~plurality of~~ display elements comprises one chosen from a liquid crystal display, an organic light emitting diode display, an inorganic light emitting diode display, an electrochromic display, a plasma display, a fluorescent display, and an electroluminescent display.

43. (cancelled)

44. (currently amended) The interactive vehicular mirror system according to Claim 29, wherein at least one of said first and second display elements displays at least one video image.

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45. (previously presented) The interactive vehicular mirror system according to Claim 44, wherein said video image comprises one chosen from (i) a rearward field of view image, (ii) an internal cabin monitoring image, (iii) a teleconferencing image, (iv) a remote monitoring image, (v) an emergency recording image, and (vi) a forward field of view image.

46. (currently amended) The interactive vehicular mirror system according to Claim 29, wherein at least one of said first and second display elements displays at least one chosen from (i) a rain sensor operation display, (ii) a telephone information display, (iii) a highway status information display, (iv) a blind spot indicator display, (v) a hazard warning display, (vi) a vehicle status display, (vii) a page message display, (viii) a speedometer display, (ix) a tachometer display, (x) an audio system display, (xi) a fuel gauge display, (xii) a heater control display, (xiii) an air conditioning system display, (xiv) a status of inflation of tires display, (xv) a trailer tow image display, (xvi) an e-mail message display, (xvii) a compass display, (xviii) an engine coolant temperature display, (xix) an oil pressure display, (xx) a cellular phone operation display, (xxi) a global positioning system display, (xxii) a weather information display, (xxiii) a temperature display, (xxiv) a traffic information display, (xxv) a telephone number display, (xxvi) a fuel status display, (xxvii) a battery condition display, (xxviii) a time display, (xxix) a train approach warning display, and (xxx) a toll transaction display.

47. (currently amended) The interactive vehicular mirror system according to Claim 29, wherein at least one of said first and second display elements is adapted to display scrolling displays.

48. (currently amended) The interactive vehicular mirror system according to Claim 29, wherein at least one of said first and second display elements displays at least two displays.

49. (original) The interactive vehicular mirror system according to Claim 29, wherein said reflective element comprises a prismatic reflective element.

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50. (currently amended) The interactive vehicular mirror system according to Claim 49, wherein said reflective element includes a reflector on a back surface of said reflective element, said reflector being at least partially removed to define a window, and said second ~~another~~ display being positioned at least partially behind said window, ~~and said display associated with said function being viewable at least when said another display displays said display associated with said function.~~

51. (original) The interactive vehicular mirror system according to Claim 29, wherein said reflective element comprises an electrochromic reflective element.

52. (currently amended) The interactive vehicular mirror system according to Claim 51, wherein said reflective element includes an electrochromic medium and a reflector, a portion of said reflector being at least partially removed, and said ~~another~~ second display element being positioned behind said portion whereby said second display of said second display element ~~element associated with said function~~ is viewable through said reflective element at least when said ~~another~~ second display element displays said second display associated with said function.

53. (currently amended) An interactive vehicular mirror system comprising:  
an interior mirror assembly having a mirror casing and a reflective element, said mirror casing including a bezel portion, said interior mirror assembly being adapted to mount at an interior portion of a vehicle, said reflective element having a rearward field of view when said interior rearview mirror assembly is mounted to the vehicle ~~and a plurality of user actuatable selector elements;~~

first and second user actuatable selector elements, said first user actuatable selector element comprising a first touch sensitive element, said second user actuatable selector element comprising a second touch sensitive element, said first user actuatable selector element being located at said bezel portion of said mirror casing at a first bezel location, and said second user actuatable selector element being located at said bezel portion of said mirror casing at a second bezel location;

a display element at a display location;



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~~at least one of said first user actuatable selector element~~[[s]] activating said display element to display ~~a first at least one display associated with a function of said at least one first user actuatable selector element;~~

~~and wherein actuation of another said second user actuatable selector element changes the display displayed by said display element to activating said display element to display a second another display associated with a function of said another second user actuatable selector element;~~

~~said user actuatable selector elements comprising touch sensitive elements,~~ each of said first and second touch sensitive element of said first and second user actuatable selector elements being individually responsive to a change in at least one of heat, electrical capacitance, electrical inductance, or electrical resistance due to at least close approachment of a human finger; and

at least said first bezel location of said first user actuatable selector element being one of local and co-located with said display location of said display element such that a cognitive relationship between said first user actuatable selector element and said display element is established by actuation of said first touch sensitive element at said first bezel location and resultant generation of said first display of said display element at said display location.

54. (currently amended) The interactive vehicular mirror system according to Claim 53, wherein at least one of said first and second displays is selected from the group consisting of (i) a telephone conference display (ii) a highway status information display, (iii) a blind spot information display, (iv) a hazard warning information display, (v) a vehicle status information display, (vi) a page messaging information display, (vii) a speedometer information display, (viii) a tachometer information display, (ix) a remote transaction information display, (x) an audio system information display, (xi) a fuel gauge information display, (xii) a heater control information display, (xiii) a ventilation system information display, (xiv) a status of inflation of tires information display, (xv) a trailer tow display, (xvi) an e-mail message information display, (xvii) a compass information display, (xviii) an engine coolant temperature information display, (xix) an oil pressure information display, (xx) a cellular phone operation information display, (xxi) a global positioning system information display, (xxii) a weather information display, (xxiii) a temperature information

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display, (xxiv) a traffic information display, (xxv) a telephone number information display, (xxvi) fuel status information display, (xxvii) battery condition information display, (xxviii) time information display, and (ixxx) stock information display.

55. (previously presented) The interactive vehicular mirror system according to Claim 53, wherein said display element displays at least one chosen from (i) a rearward field of view display, (ii) an internal cabin monitoring display, (iii) a teleconferencing display, (iv) a remote monitoring display, (v) an emergency recording display, and (vi) a forward field of view display.

56. (currently amended) The interactive vehicular mirror system according to Claim 53, further comprising an image capturing device adapted for mounting to the vehicle, one of said first and second user actuatable selector elements including a rear vision selector element, said image capturing device detecting at least one chosen from an internal cabin image and an image rearward of the vehicle and sending an image signal based on said at least one chosen from an internal cabin image and an image rearward of the vehicle to said display element for display said at least one chosen from an internal cabin image and an image rearward of the vehicle by said display element when said rear vision selector element is actuated.

57. (original) The interactive vehicular mirror system according to Claim 56, further comprising an exterior sideview mirror assembly, said image capturing device being positioned at said exterior sideview mirror assembly for capturing an image rearward of the vehicle.

58. (original) The interactive vehicular mirror system according to Claim 53, wherein said interior rearview mirror assembly further includes at least one accessory selected from the group consisting of (i) a trainable garage door opener, (ii) a universal home access system, (iii) an INTERNET interface, (iv) a remote keyless entry receiver, (v) a video device, (vi) a rain sensor, (vii) a compass sensor, (viii) a trip computer, (ix) an intrusion detector, (x) a phone, (xi) an interior light, (xii) a seat occupancy detector, (xiii) a phone attachment, (xiv) an electro-optic reflective mirror element, (xv) an electrochromic reflective mirror element,

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(xvi) a headlamp controller, (xvii) a printer, (xviii) a transmitter/receiver, (xix) a modem, (xx) an instrumentation light, (xxi) a console light, (xxii) a solar panel, (xxiii) a windshield portion defogger device, (xxiv) an antenna, (xxv) a loudspeaker, (xxvi) a microphone, (xxvii) a digital message recorder, (xxviii) a magnetic tape message recorder, (xxix) a phone control panel, (xxx) a digital storage device, and (xxx) a GPS/navigational system.

59-67. (canceled)

68. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein said first selector element[[s]] comprises a back-lit touch sensitive element[[s]].

69-70. (canceled)

71. (currently amended) The interactive vehicular mirror system according to Claim 53, wherein said first and second touch sensitive elements are sensitive to touching by a human finger.

72. (canceled)

73. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein said first display comprises an alpha-numeric image.

74. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein said first display comprises a multi-pixel display.

75. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein said first display element displays a family of display functions.

76. (previously presented) The interactive vehicular mirror system according to Claim 75, wherein said family of display functions includes at least one chosen from (i) a compass mirror display function, (ii) a temperature display function, (iii) a tire pressure/status display function, (iv) a status of inflation of tires display function, (v) a GPS/navigation system

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function, (vi) a telematic function, (vi) computer display function, (vii) e-mail function, (viii) an INTERNET access function, (ix) a passenger air bag disabled display function, (x) an automatic rain sensor operation display function, (xi) telephone dial information display function, (xii) highway status information display function, and (xiii) blind spot indicator display function.

77. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein ~~at least one of~~ said first display[[s]] comprises a fixed display.

78. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein ~~at least one of~~ said first display[[s]] comprises a scrolling display.

79. (currently amended) The interactive vehicular mirror system according to Claim 1, wherein ~~at least one of~~ said first display[[s]] comprises a video display image.

80. (cancelled)

81. (currently amended) The interactive vehicular mirror system according to Claim [[1]] 53, wherein ~~at least one of~~ said display element[[s]] is disposed behind said reflective element.

82. (currently amended) The interactive vehicular mirror system according to Claim 81, wherein said reflective element comprises a transreflective element, said ~~at least one of~~ said display element[[s]] being disposed behind said transreflective element and viewable through said transreflective element when said ~~at least one of~~ said display element[[s]] is actuated.

83. (cancelled)

84. (previously presented) The interactive vehicular mirror system according to Claim 53, further comprising a plurality of display elements.

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85. (currently amended) The interactive vehicular mirror system according to Claim 84,  
wherein each of said display elements is reconfigurable such that each display element can be  
~~associated with more than one function and display more than one display.~~

86-87. (cancelled)